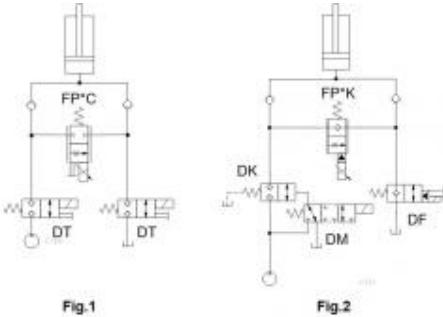


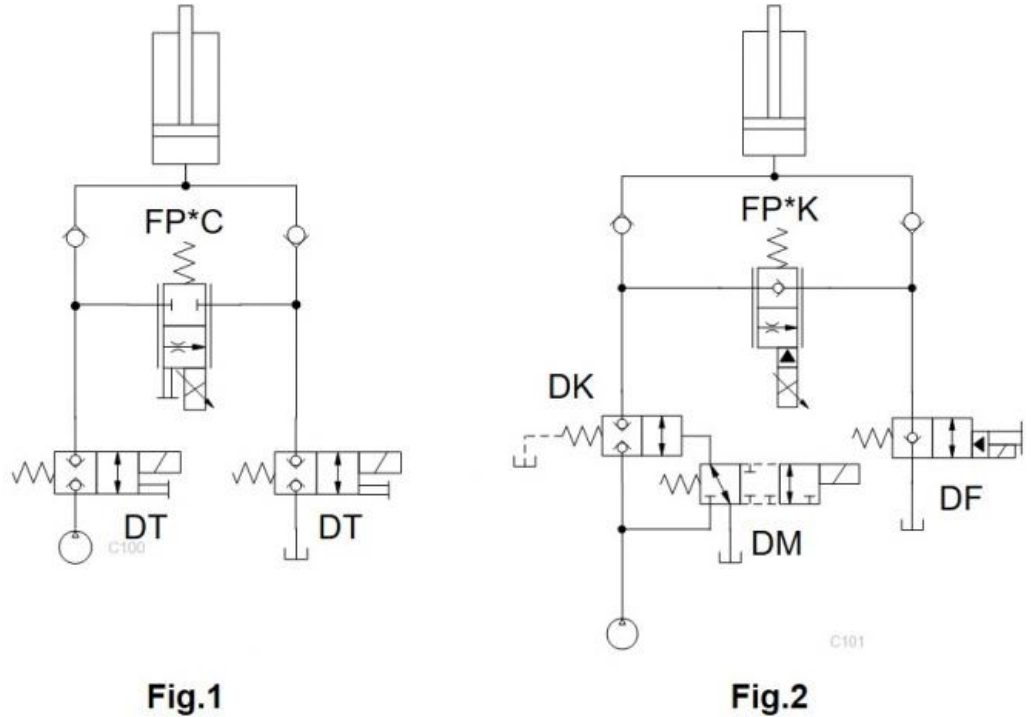
Prepared for :

Prepared by :

## Schematics



## Summary



## Related Products

### Cartridges

- DTCA - 2-way, direct-acting, solenoid-operated directional blocking poppet valve with overlap
- FPFK - Pilot-operated, normally closed, electro-proportional throttle with reverse flow check
- FPCC - Electro-proportional flow control valve - normally closed
- DFCA - 2-way, 2-stage, solenoid-operated directional poppet valve - flow 1-2
- DMDA - 3-way, solenoid-operated directional spool valve
- DKDC - Normally closed, balanced poppet, logic element - pilot-to-open

The example shows circuits with proportional valves for lifting and lowering a single-acting cylinder.

- 2-way, solenoid-operated poppet valve: DT\*A
- Pilot-operated proportional throttle: FP\*K
- Proportional flow control : FP\*C
- 2 stage solenoid-operated poppet valve: DF\*A
- 3-way solenoid-operated directional valve: DM\*A
- Logic valve: DK\*C

Benefits of this circuit arrangement

- **Fig.1** shows two 2/2 way solenoid valves DT\*A to hold, lift or lower a cylinder. A proportional throttle valve FP\*C (0- 10 gpm) controls the lifting or lowering speeds of the cylinder.
- **Fig. 2** has the same functionality as the above, but for higher flow rates. The logic valve DK\*C (piloted by a 2/3 way DM\*A) and a 2/2 way solenoid poppet valve DF\*A hold, lift or lower the cylinder.
- The pilot operated proportional throttle valve FP\*K with a flow rate of 0 - 60 gpm (@ 200 psi 200 psi P) controls the lifting or lowering speeds of the cylinder.